

# *CA Community Colleges Association of Occupational Education Spring 2007 Conference*

March 14 - 16, 2007



## **Important Role of Community College Career Technical Education**

California Labor & Workforce Development Agency  
Secretary Victoria Bradshaw



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## *Career Technical Education*

- Demand-driven to reflect the jobs that will be available
  - Relevant to reflect skill levels needed by industries
  - Flexibility to adapt to changing industry & technology requirements
  - Provide individuals opportunities to advance their career and/or upgrade their skills
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# Sampling Of High-Demand Jobs



- Employment Development Department's Labor Market Information Division (LMID)
- Based on Current & Historical Employment Trends and Employer Surveys
- Selection of Four Industry Areas

# Selected Occupations In:



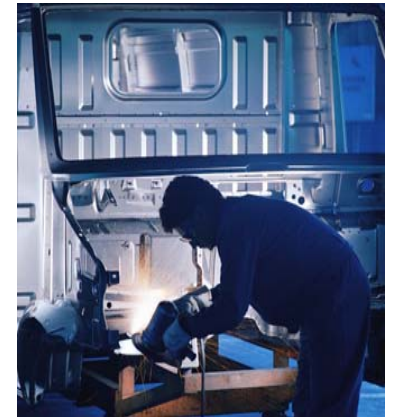
Infrastructure/  
Construction



Health Care



Manufacturing



Automotive

# Infrastructure/ Construction

- Welders, Cutters, Solderers & Brazers
- Cement Masons & Concrete Finishers
- Plumbers, Pipefitters, & Steamfitters
- Carpenters
- Electricians
- Operating Engineers & Other Construction Equipment Operators
- Environmental Engineering Technicians
- Construction Managers
- Civil Engineers



# Infrastructure/ Construction

## 2004 - 2014

Occupation	Median Hourly Wage	Estimated	Projected	Growth	Net Replacements	Total Job Openings
Welders, Cutters, Solderers, Brazers	\$14.95	29,800	33,100	3,300	8,400	11,700
Cement Masons & Concrete Finishers	\$19.26	28,500	35,300	6,800	5,700	12,500
Plumbers, Pipefitters, & Steamfitters	\$21.60	54,800	67,500	12,700	12,600	25,300
Carpenters	\$23.20	195,500	236,800	41,300	31,800	73,100
Electricians	\$22.77	63,100	75,700	12,600	12,500	25,100
Operating Engineers & Other Construction Equipment Operators	\$27.70	31,800	38,600	6,800	8,200	15,000
Environmental Engineering Technicians	\$22.07	1,800	2,200	400	400	800
Construction Managers	\$42.03	35,400	41,100	5,700	6,400	12,100
Civil Engineers	\$35.34	39,900	46,100	6,200	6,400	12,600

# Manufacturing



- Electrical & Electronic Engineering Technicians
- Welders, Cutters, Solderers, & Brazers
- Machinists
- Sheet Metal Workers
- Sales Representatives, Wholesale & Manufacturing (except Technical & Scientific Products)
- Truck Drivers, Heavy, & Tractor-Trailer
- Mechanical Engineers
- Industrial Production Managers



# Manufacturing 2004 - 2014

Occupation	Median Hourly Wage	Estimated	Projected	Growth	Net Replacements	Total Job Openings
Electrical & Electronic Engineering Technicians	\$25.13	25,700	30,400	4,700	5,400	10,100
Welders, Cutters, Solderers, & Brazers	\$14.95	29,800	33,100	3,300	8,400	11,700
Machinists	\$18.00	34,200	37,300	3,100	8,000	11,100
Sheet Metal Workers	\$21.61	20,000	24,200	4,200	4,800	9,000
Sales Representative, Wholesale & Manufacturing, (Except Technical and Scientific Products)	\$24.59	148,000	178,500	30,500	38,900	69,400
Truck Drivers, Heavy & Tractor-Trailer	\$17.99	143,500	171,900	28,400	23,400	51,800
Mechanical Engineers	\$37.52	23,200	26,500	3,300	6,400	9,700
Industrial Production Managers	\$39.10	18,000	19,400	1,400	3,500	4,900



# Health Care

- Registered Nurses
- Licensed Vocational Nurses
- Medical Assistants
- Dental Assistants
- Pharmacy Technicians
- Medical & Clinical Laboratory Technicians
- Physician Assistants



# Healthcare 2004 - 2014

Occupation	Median Hourly Wage	Estimated	Projected	Growth	Net Replacements	Total Job Openings
Registered Nurses	\$33.85	230,300	291,200	60,900	48,200	109,100
Licensed Vocational Nurses	\$20.78	53,600	64,800	11,200	11,700	22,900
Medical Assistants	\$13.34	51,000	69,200	18,200	9,400	27,600
Dental Assistants	\$15.38	41,300	58,200	16,900	11,600	28,500
Pharmacy Technicians	\$16.08	23,900	30,200	6,300	3,100	9,400
Medical & Clinical Laboratory Technologists	\$31.80	12,000	14,400	2,400	3,200	5,600
Physician Assistants	\$39.72	5,900	8,100	2,200	900	3,100

# Automotive



- Automotive Service Technicians & Mechanics
- Insurance Sales Agents

# Automotive 2004 - 2014

Occupation	Median Hourly Wage	Estimated	Projected	Growth	Net Replacements	Total Job Openings
Automotive Service Technicians & Mechanics	\$17.73	80,000	96,600	16,600	21,300	37,900
Insurance Sales Agents	\$27.02	35,700	38,200	2,500	8,500	11,000

## *Again...*

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